TiDB
Powered by PingCAP

Agents are Ephemeral. Their State Shouldn't Be.

TiDB Cloud gives long-running agents a durable state layer for checkpoints, memory records, operational data, and vectors. Agents resume work across sessions and runtime restarts.

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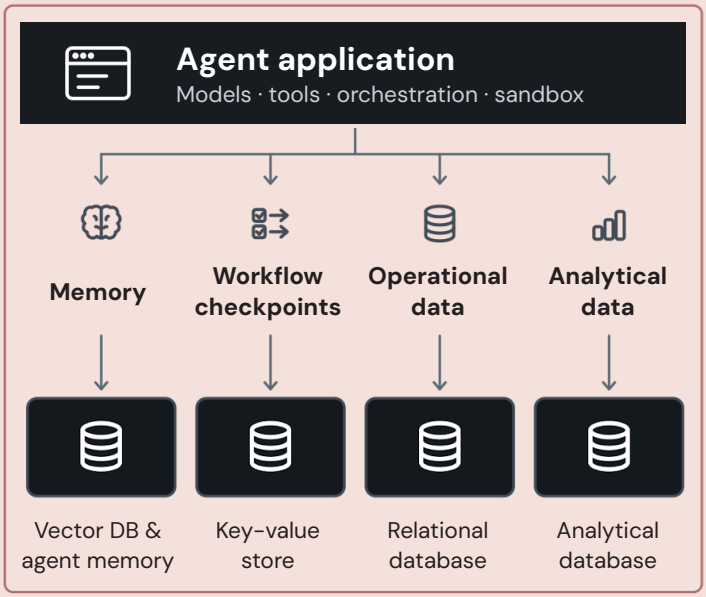
PERSISTENT CONTEXT FOR AI AGENTS

Why agents need context that lasts.

THE PROBLEM

“ State splits. Runtimes end. Isolation gets expensive.

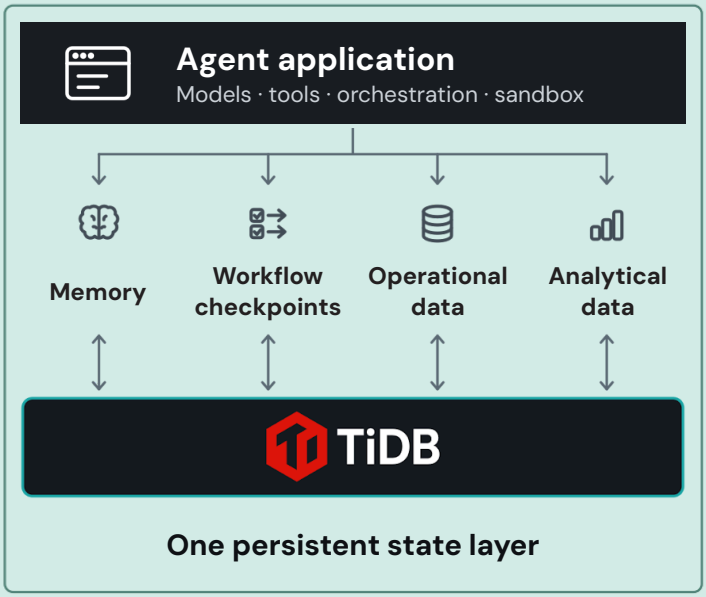


Four stores to sync. The next session starts over.

Agent context gets harder in production. State scatters across separate systems for semantic search, session state, and long-lived context, adding latency, failure points, and debugging pain. Sandboxes and sessions end mid-task, so plans, tool results, and checkpoints vanish before the work finishes. And when each agent, tenant, or workspace needs its own boundary, dedicated infrastructure per environment gets expensive fast, especially when most are short-lived or idle.

THE SOLUTION

“ One durable state layer under the stack you already use.



A new session resumes the task from saved context.

Keep your model, framework, sandbox, and memory systems. TiDB Cloud gives your stack one durable place to store and query checkpoints, memory records, operational data, and vectors with hard data boundaries per agent or tenant, and analytics on live state without a separate pipeline. Agents persist context across sessions, share it across workflows, and resume from a reliable state.

How AI companies use TiDB Cloud in production

1 PER-AGENT ISOLATION

manus

GENERAL-PURPOSE AI AGENT PLATFORM

> **From viral launch to over 3 million database tenants.**

Manus migrated to TiDB Cloud in two weeks to keep up with explosive user growth. TiDB now powers context persistence behind Manus's agent swarms and full-stack app generation, resulting in thousands of stateful context writes per task, with instant database branching for every session.

2 wks
Migration time

Over 3 million
Database tenants in production

10 to 50×
Cost reduction vs. AWS RDS

2 CORE DATA PLATFORM

PLAUD

WORLD'S #1 AI NOTETAKER
OVER 2M USERS IN 170 COUNTRIES

> **From two data stores to one unified database.**

Plaud migrated from MySQL and Amazon S3 to TiDB Cloud, eliminating S3 retrieval latency. The team runs online DDL while serving over 2 million users in 170 countries. One database now handles what a split-brain architecture used to spread across relational data, S3 transcripts, and application-layer coordination.

10×
QPS under peak load

13
TiDB Cloud clusters in production

100%
Online DDL, no schema freeze

3 PERSISTENT AGENT WORKSPACES

KIMI

KIMI WORK · MOONSHOT AI
DESKTOP AI AGENT

> **Agents reopen the same files in a new sandbox.**

Kimi Work saves uploads, code, and results in TiDB Cloud Filesystem so agents can pick up where they left off. When the K2.6 agent builds an app, TiDB Cloud Starter gives that app its own database.

Over 1 million
Persistent filesystems

<1s
Database provisioning per app

Zero
Idle database compute cost per app

> Built for agent developers. Fits the stack you already use.

TiDB Cloud's MCP server, pytidb, LangChain, and LlamaIndex integrations work out of the box. Keep your model, framework, and sandbox. TiDB Cloud sits underneath as the durable state layer. Start free on TiDB Cloud in minutes.

TiDB Cloud **tidbcloud.com/free-trial**
· start free in minutes

TiDB Powered by PingCAP

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COATUE
GGVCAPITAL
ACCESS

TiDB, powered by PingCAP, is the distributed SQL database for AI agents. AI-native companies, SaaS providers, and global enterprises run TiDB for workloads that traditional databases can't: millions of tables, persistent agent state, high-concurrency reads and writes, frequent schema changes, and zero-downtime scaling at petabyte levels. TiDB runs on multiple cloud platforms. Headquartered in Sunnyvale, CA, TiDB serves customers worldwide.

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